



U 014863-8  
10/690,246  
Replacement Sheet

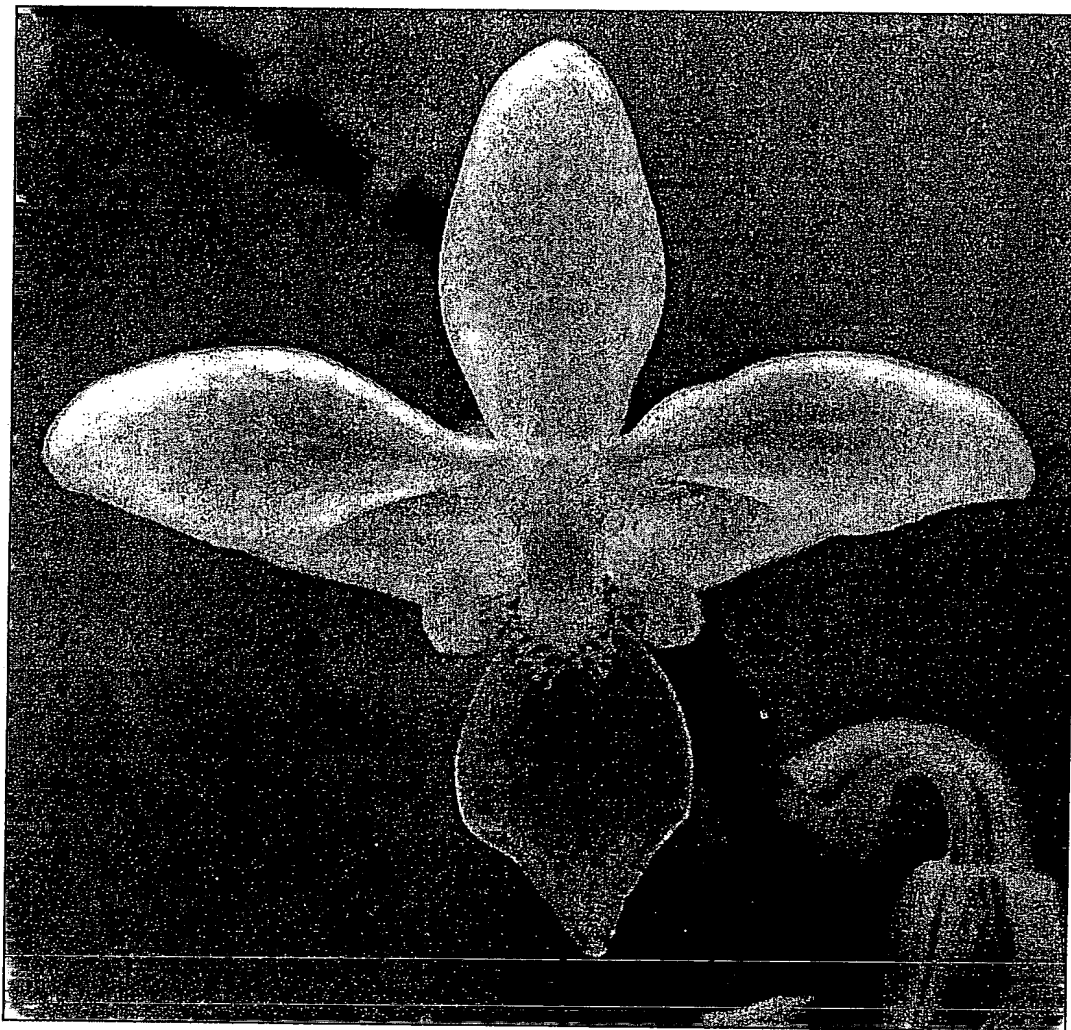


FIG. 1a

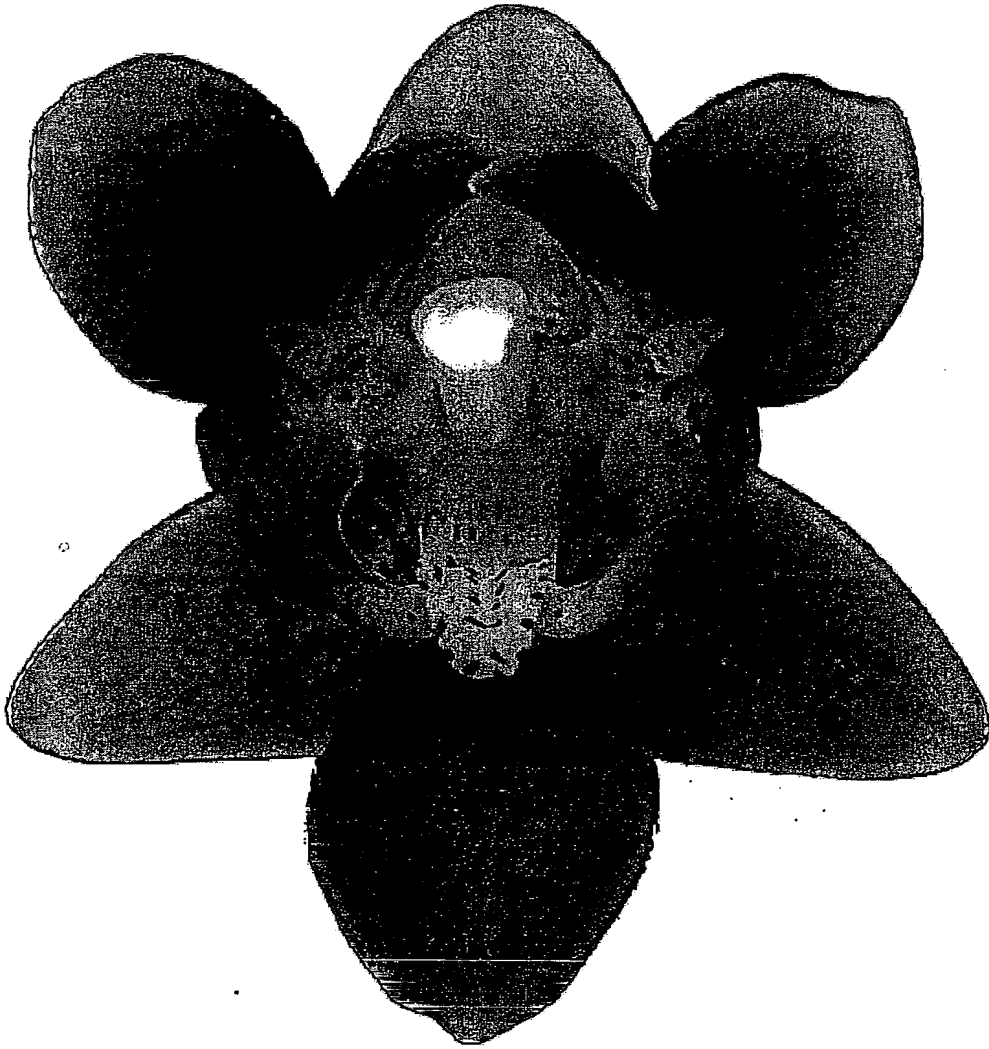


FIG. 1b

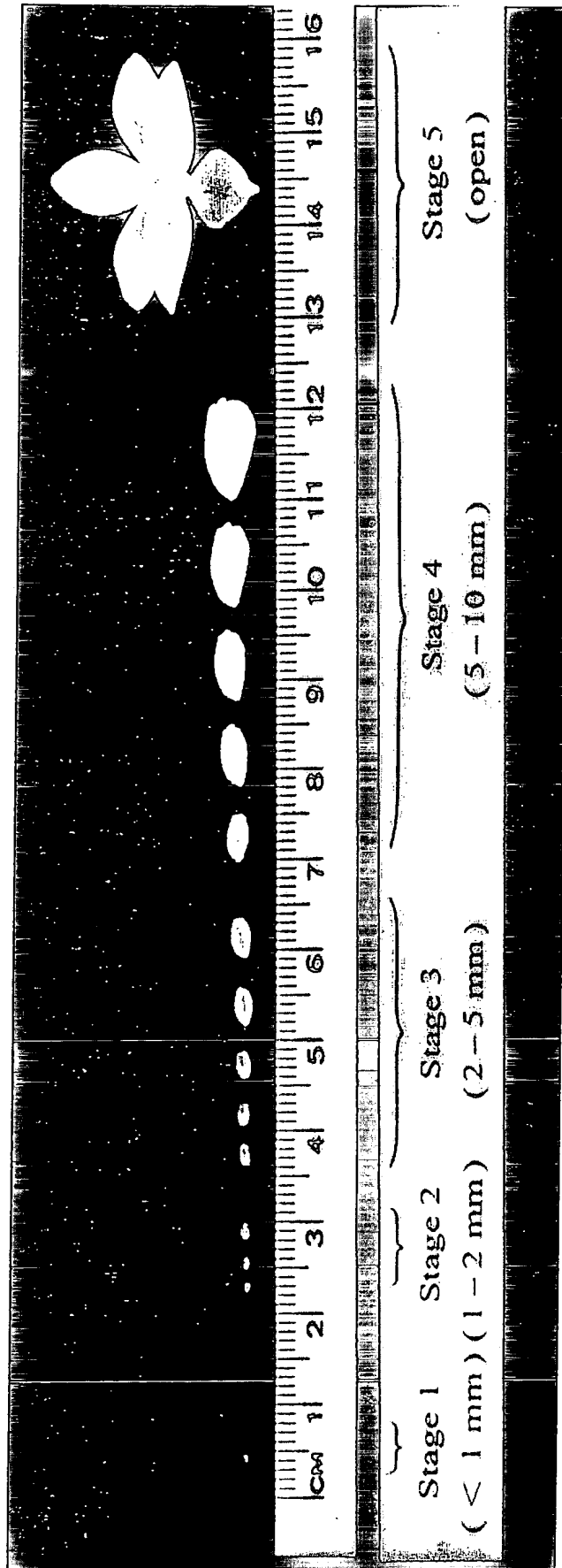


FIG. 1c

## MADS-DOMAIN

[illegible]

## I-DOMAIN

[illegible]

## K-DOMAIN

[illegible]

### C-DOMAIN

[illegible]

PI: SEQ ID NO: 27

OSMADS4: SEQ ID NO: 28

DEF: SEQ ID NO: 29

AP3: SEQ ID NO: 30

OSMADS16: SEQ ID NO: 31

SILKY1: SEQ ID NO: 32

PeMADS4: SEQ ID NO: 6

PeMADS3: SEQ ID NO: 4

LMADS1: SEQ ID NO: 33

PeMADS2: SEQ ID NO: 2

PeMADS5: SEQ ID NO: 8

FIG. 2

	PI Motif-Derived	PaleoAP3 Motif
DR6 (SEQ ID NO: 34)	--VHNIYA <del>FR</del> LQPL-HPNLQ	NE-GG- <del>FGSR</del> -DLRLS
OSMADS16 (SEQ ID NO: 35)	GAAADMFAFR VVPS-QPNLH	GMAYGGN--H -DLRLG
TAMADS51 (SEQ ID NO: 36)	GLAADMYA <del>FR</del> VVPS-QPNLH	GMAYGGS--H -DLRLG
SILKY1 (SEQ ID NO: 37)	GAPPDMYA <del>FR</del> VVPS-QPNLH	GMAYG-F--H -DLRLG
SmAP3 (SEQ ID NO: 38)	RPADVGYAFH HSAG-QSNVH	---DVG <del>YGFH</del> -ELRLA
<b>PeMADS3</b> (SEQ ID NO: 39)	--- <b>SYLYSFR</b> TQPS-QPNLQ	--- <b>GVG<del>YVPH</del></b> -DLRLA
<b>PeMADS2</b> (SEQ ID NO: 40)	--- <b>PQMF<del>SFR</del></b> VVHPNQP <del>NLI</del>	--- <b>GLGY<del>ESH</del></b> -DLSLA
<b>PeMADS4</b> (SEQ ID NO: 41)	--- <b>SHHYA<del>FR</del></b> VQPN-QQNLQ	--- <b>GTGY<del>SSH</del></b> MDLRLA
LMADS1 (SEQ ID NO: 42)	NGASHIYEFR VQPS-QPNLH	---GMGYGSH -DLRLA
PnAP3-2 (SEQ ID NO: 43)	---PNI <del>FAFR</del> LQPS-QPNLH	N--GGGYNCH -DLRLA
MfAP3 (SEQ ID NO: 44)	---AHI-----LH	D---TGFGIH -DLRLA
DeAP3 (SEQ ID NO: 45)	---QNI <del>FAFR</del> LQPS-QPNLH	D--GGGYGSH -DLRLA
<b>PeMADS5</b> (SEQ ID NO: 46)	<b>YDSSISMANR</b> LHR <del>S</del> -EPNVQ	--- <b>KVV<del>RECH</del></b> -EFGFD
CMB2 (SEQ ID NO: 47)	AAA-NI <del>FALS</del> RHPIT-----	-----
Consensus (SEQ ID NO: 48)	-----F.FR LQPS.QPNLH	-----YG-H -DLRLA

FIG. 3

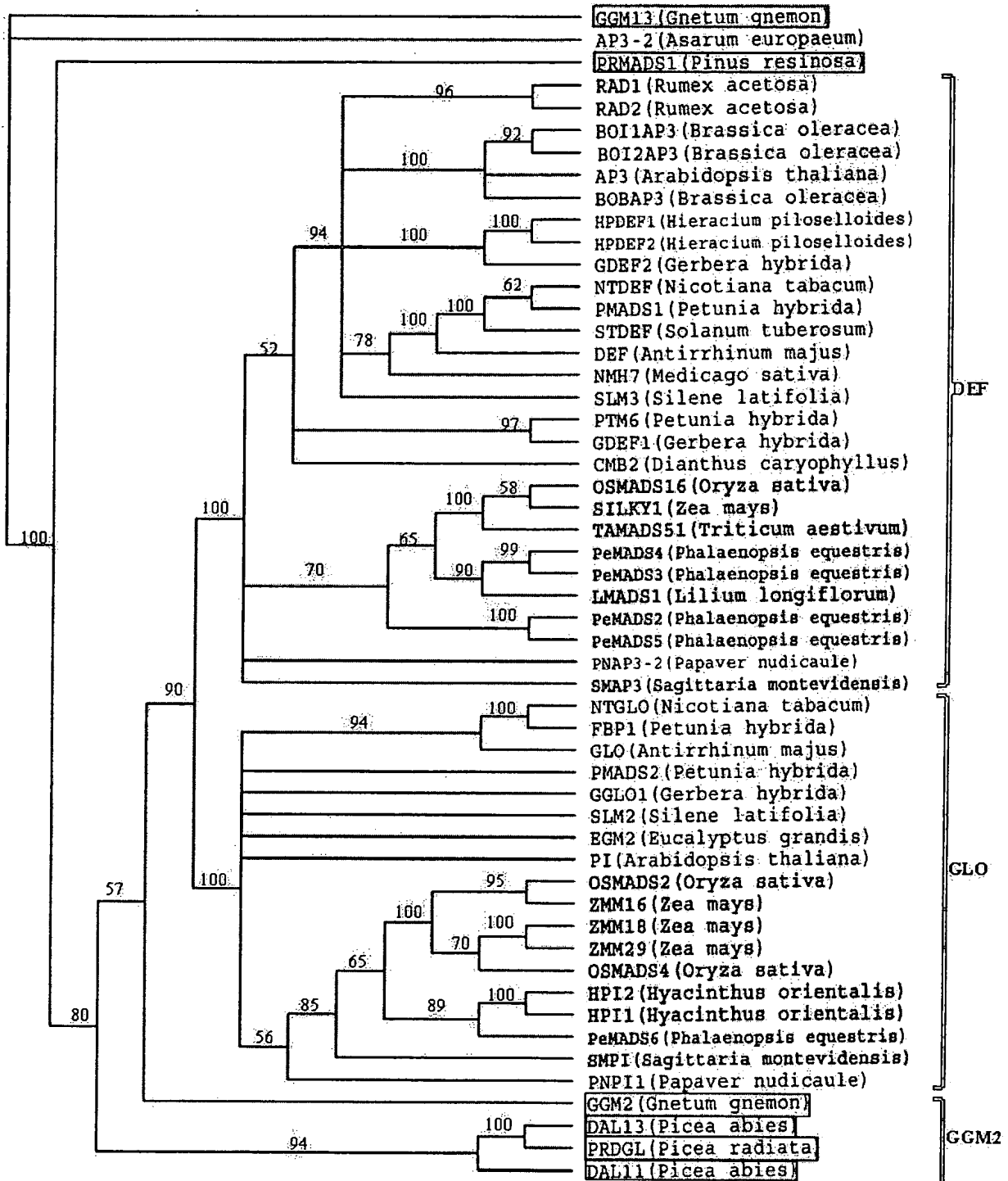


FIG. 4

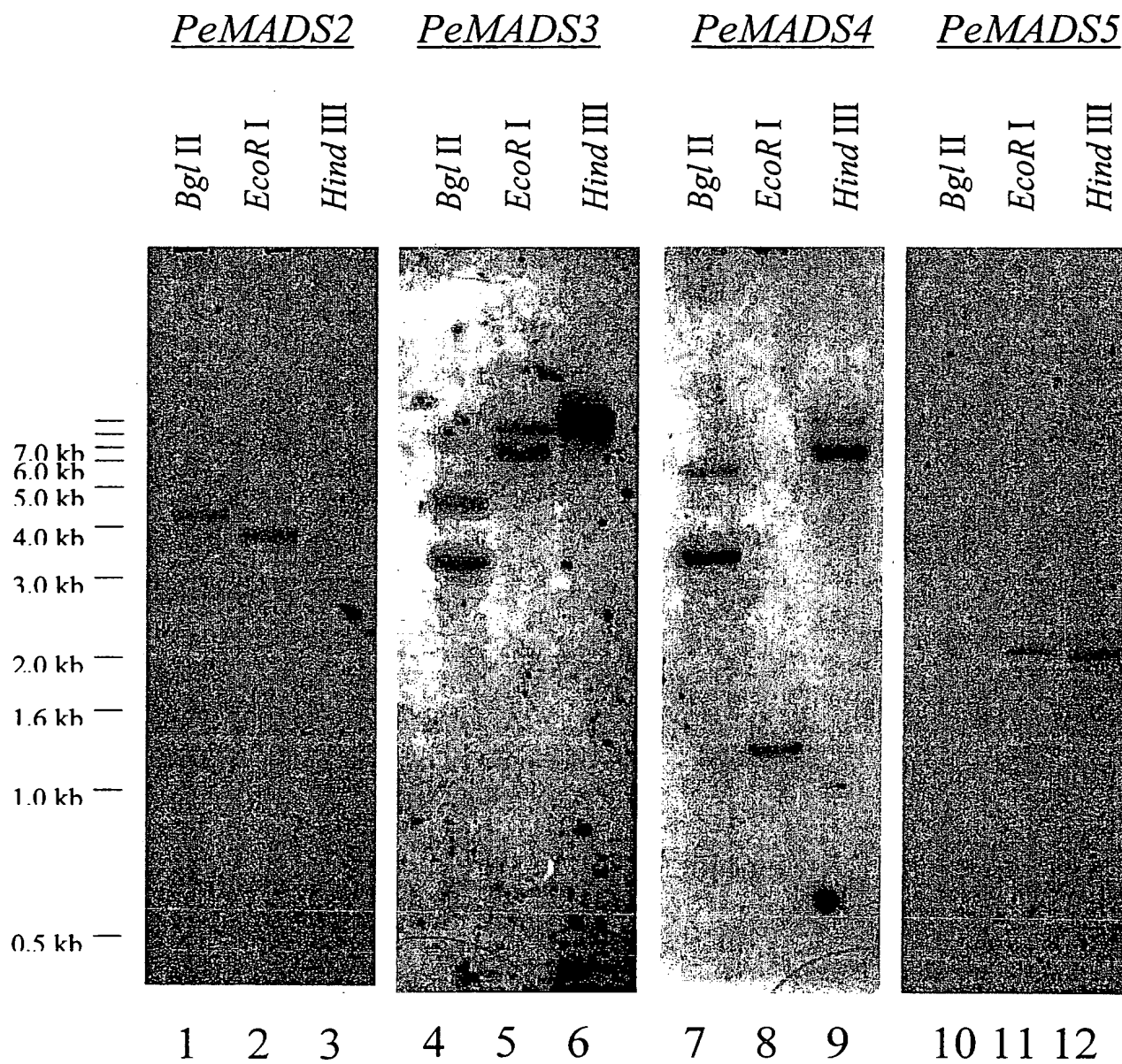


FIG. 5

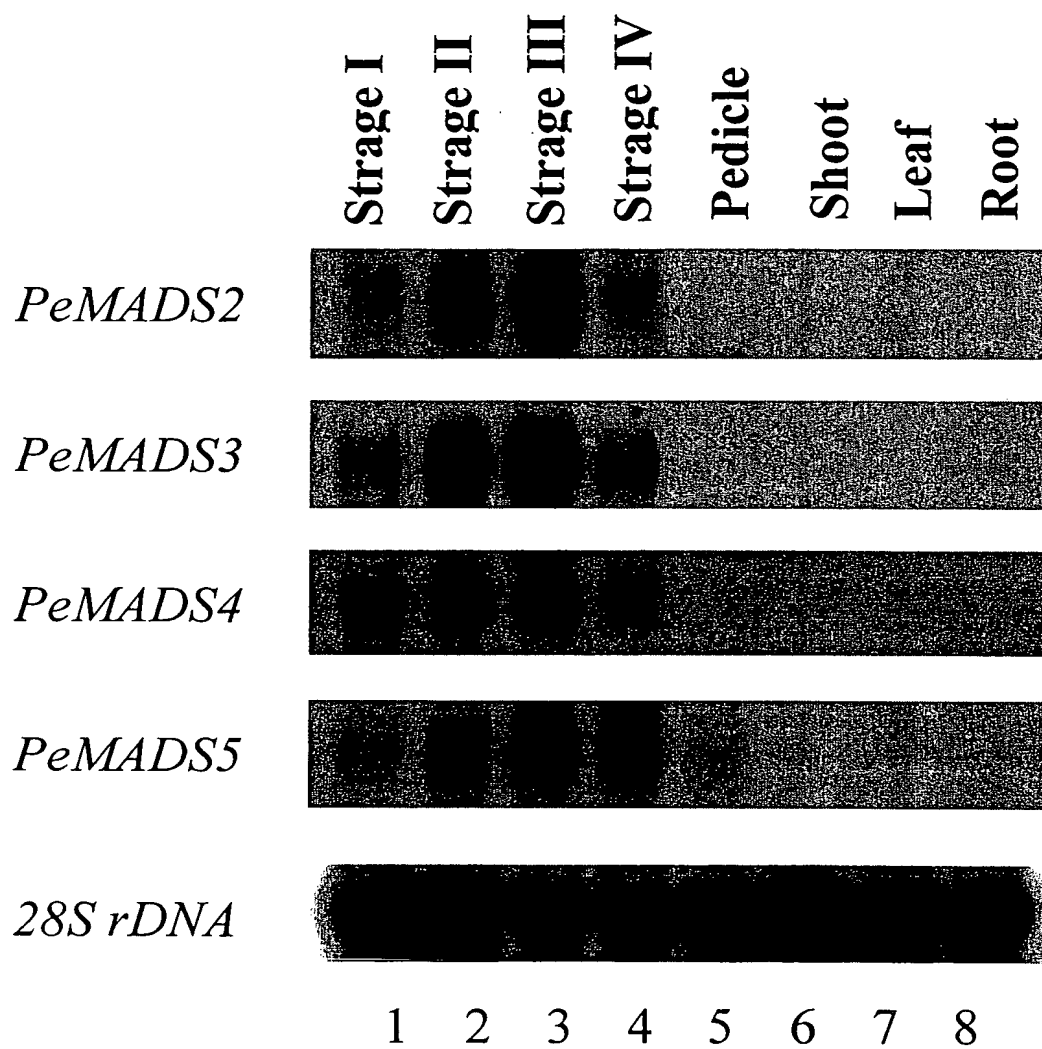


FIG. 6



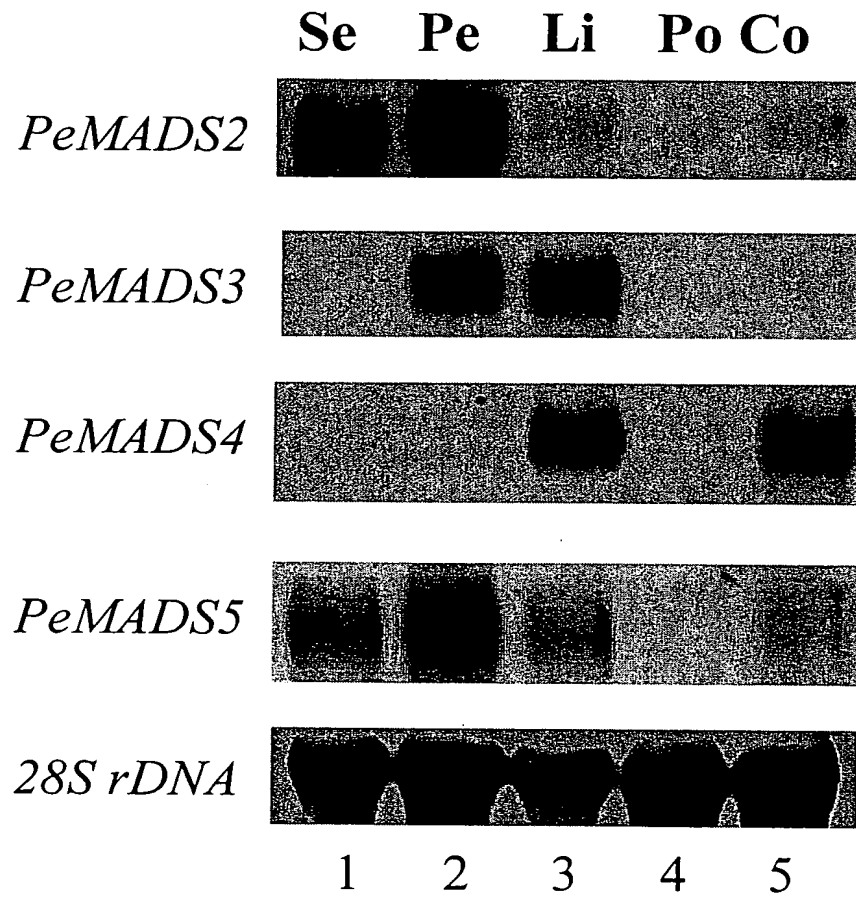


FIG. 7a

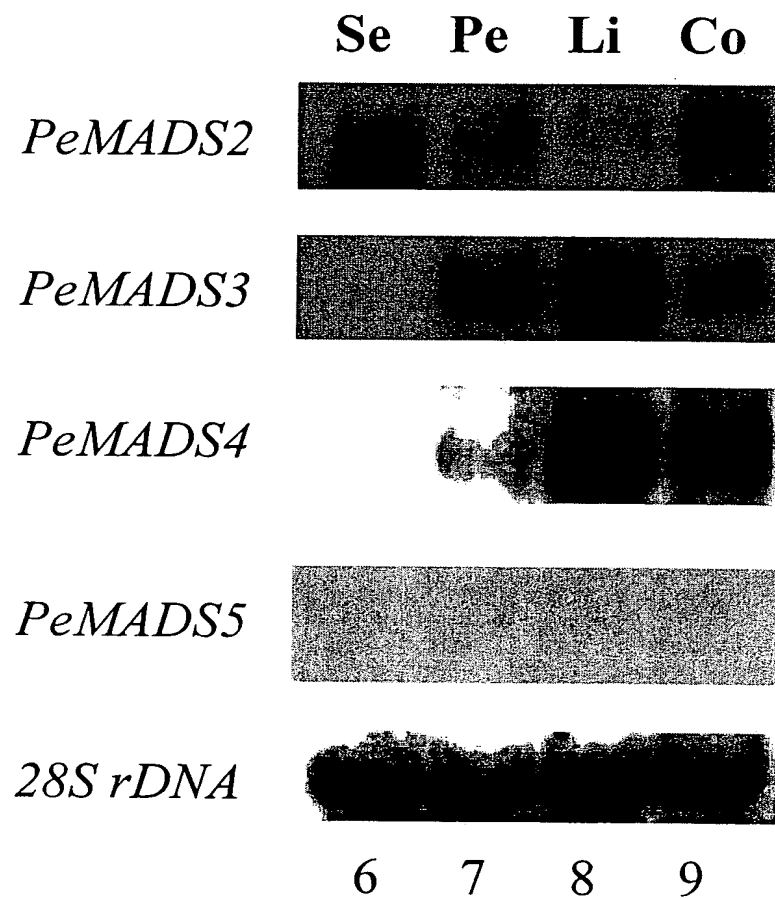


FIG. 7b